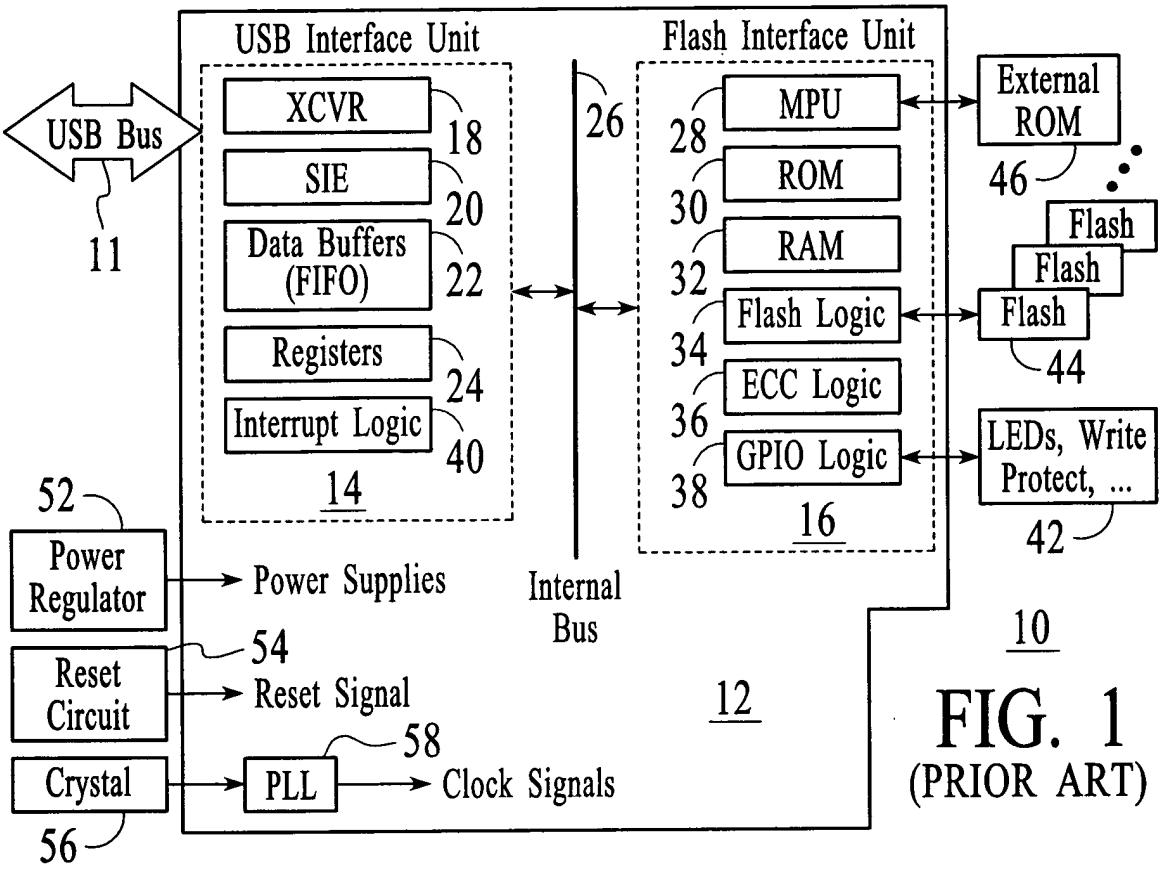

FIG. 1
(PRIOR ART)

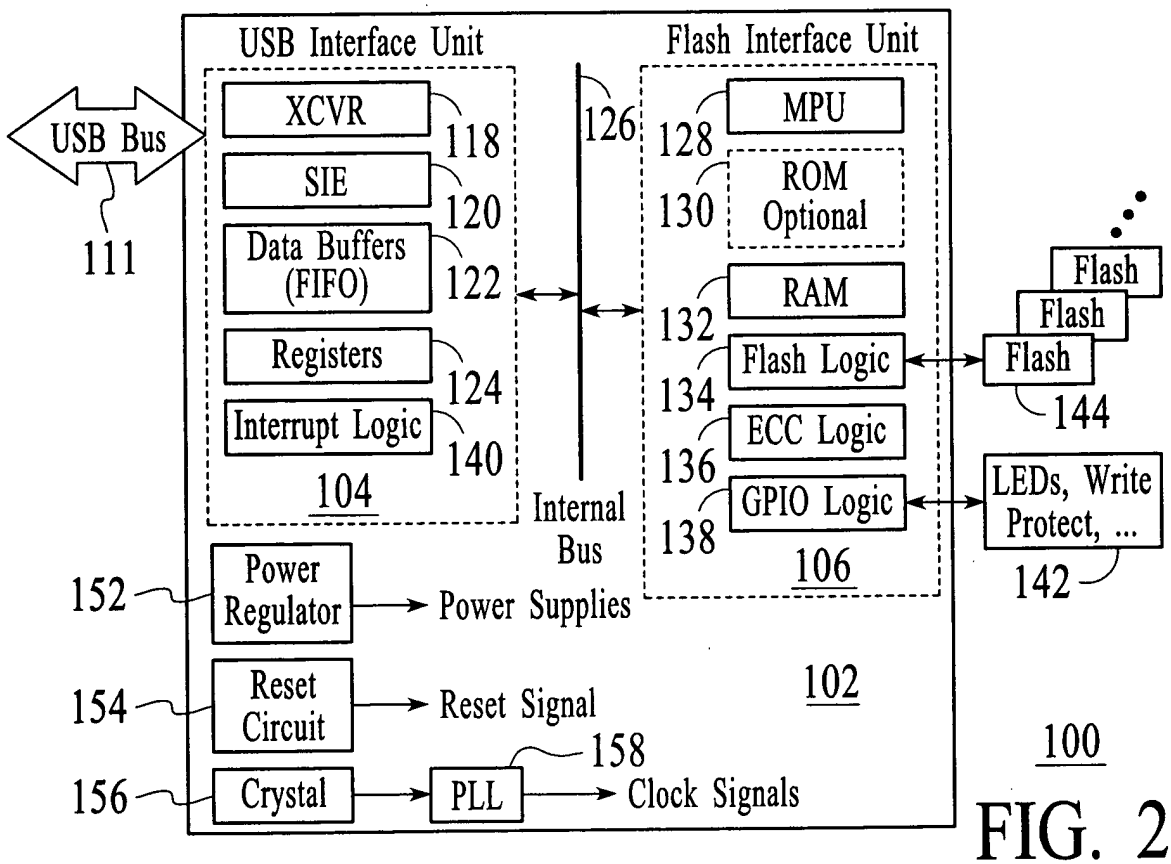

FIG. 2

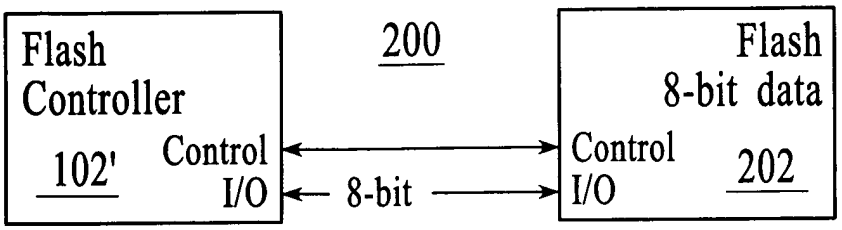

FIG. 2A

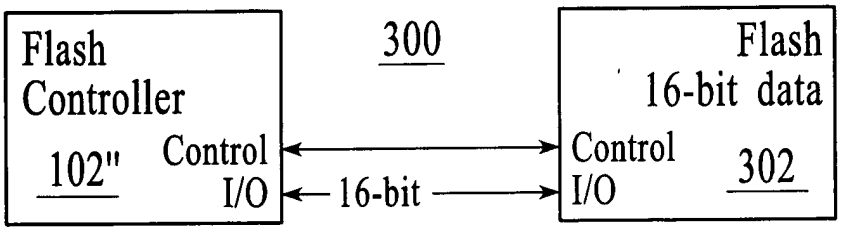

FIG. 2B

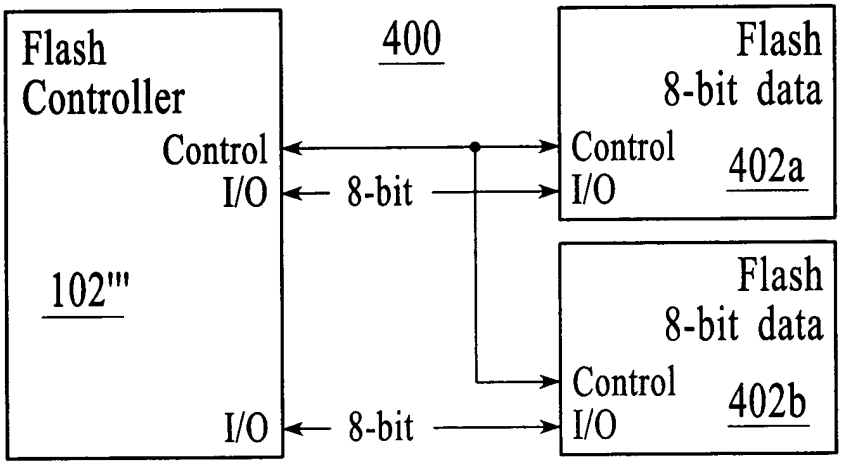

FIG. 2C

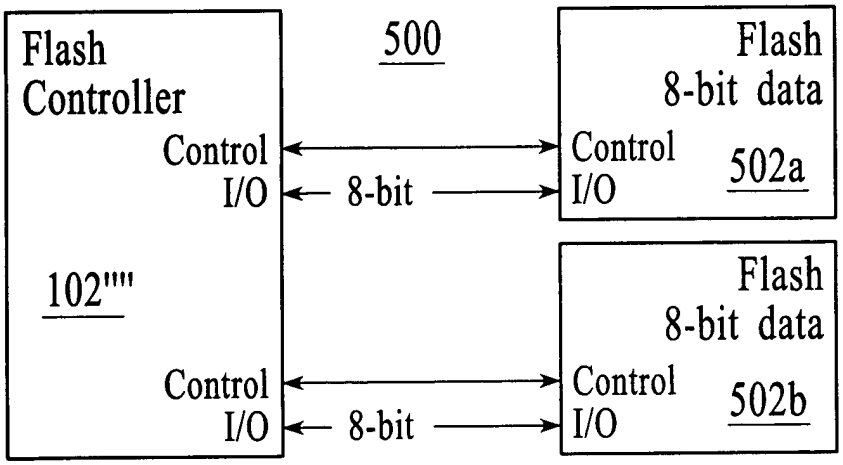

FIG. 2D

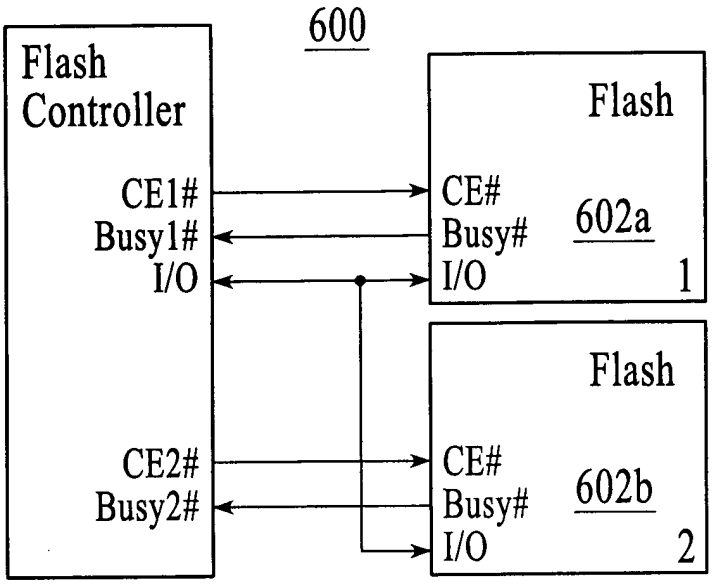

FIG. 3A

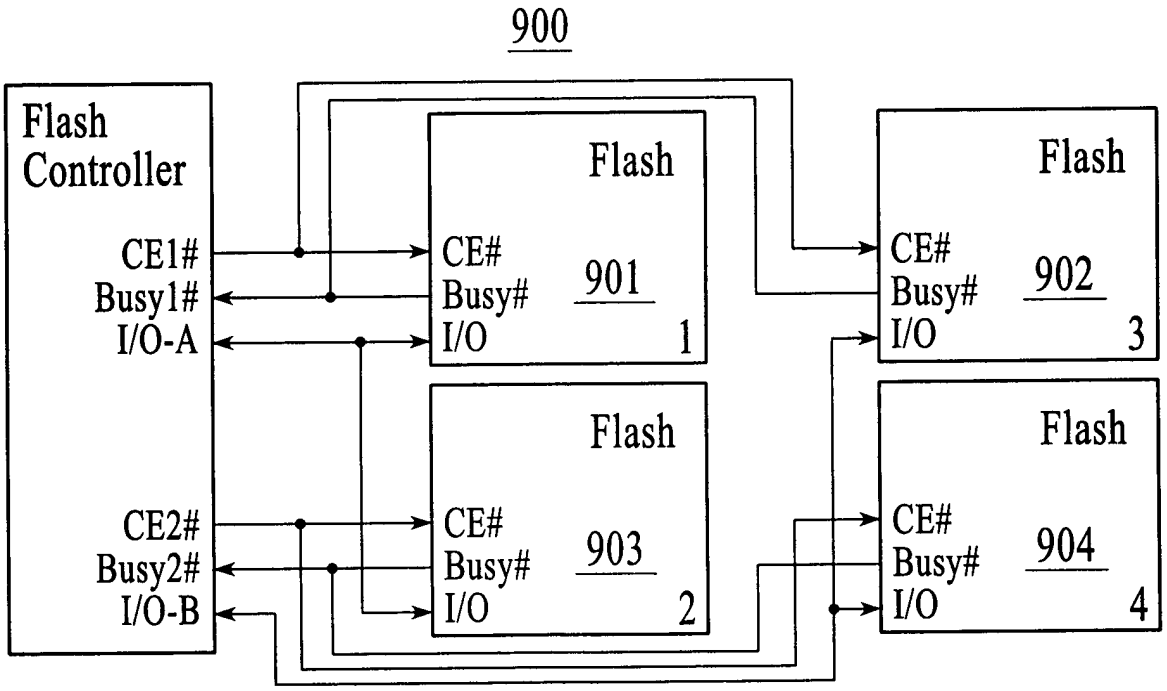

FIG. 3E

Acronym

- Ext Rd = External Read Data
- Ext Wc + d = External Write Command and Data
- Int Rd = Internal Read Data
- Int Wd = Internal Write Data
- CE = Chip Enable

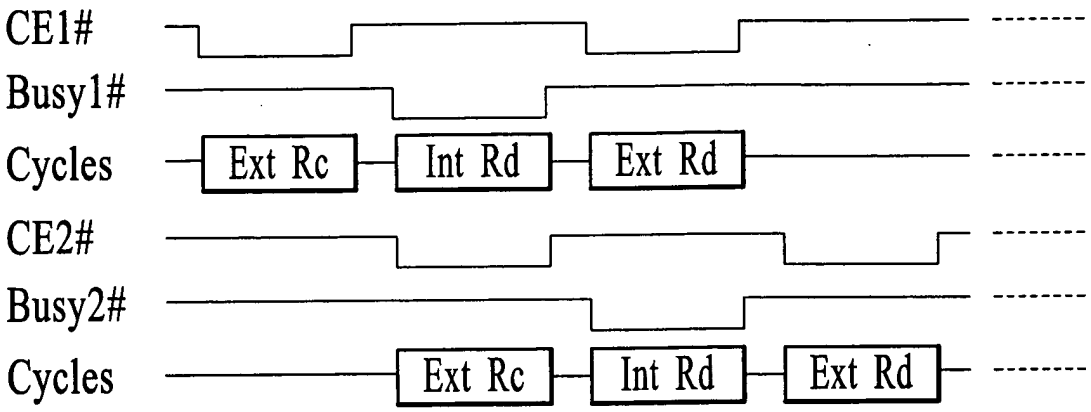

FIG. 3B

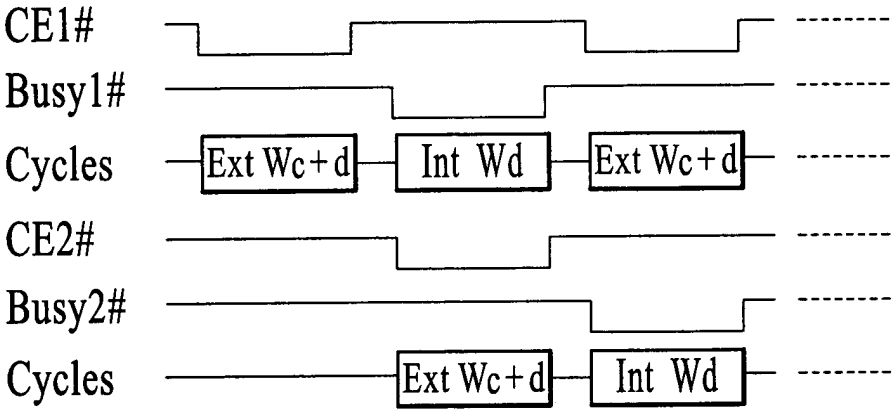

FIG. 3C

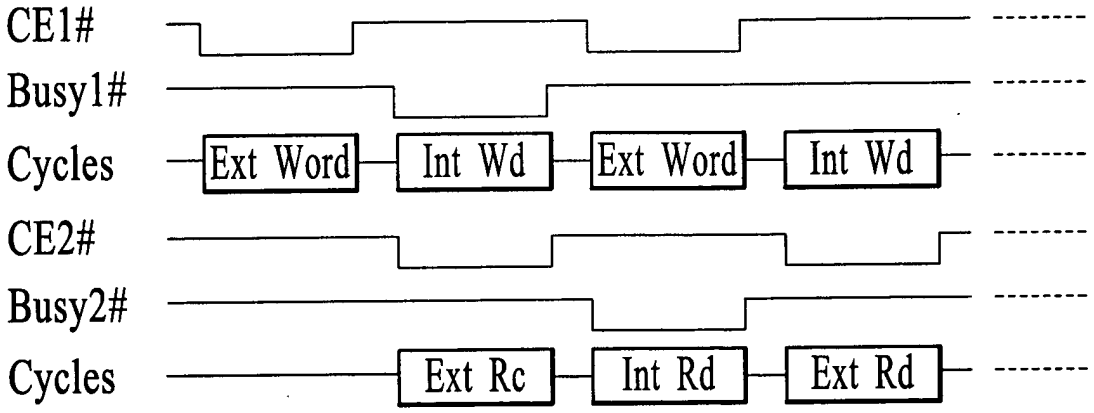

FIG. 3D

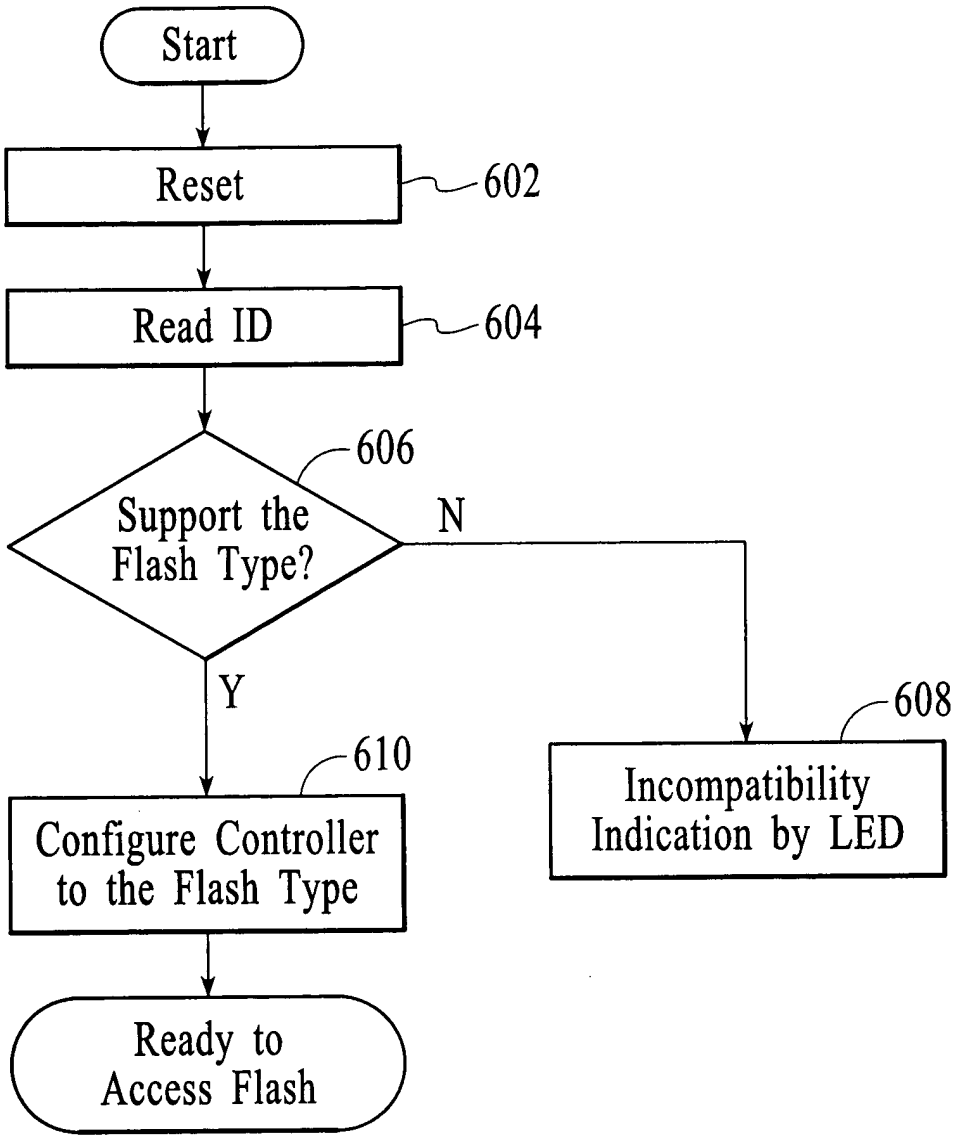
Start
Reset
602
Read ID
604
606
Support the Flash Type?
N
Y
608
Incompatibility Indication by LED
610
Configure Controller to the Flash Type
Ready to Access Flash

FIG. 4

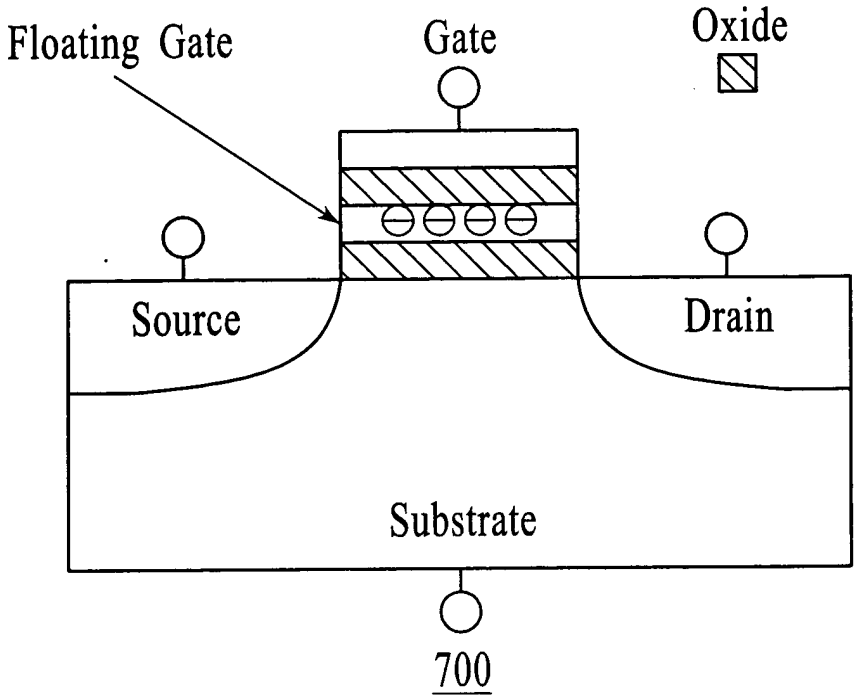
Floating Gate
Gate
Oxide
Source
Drain
Substrate
700

FIG. 5A

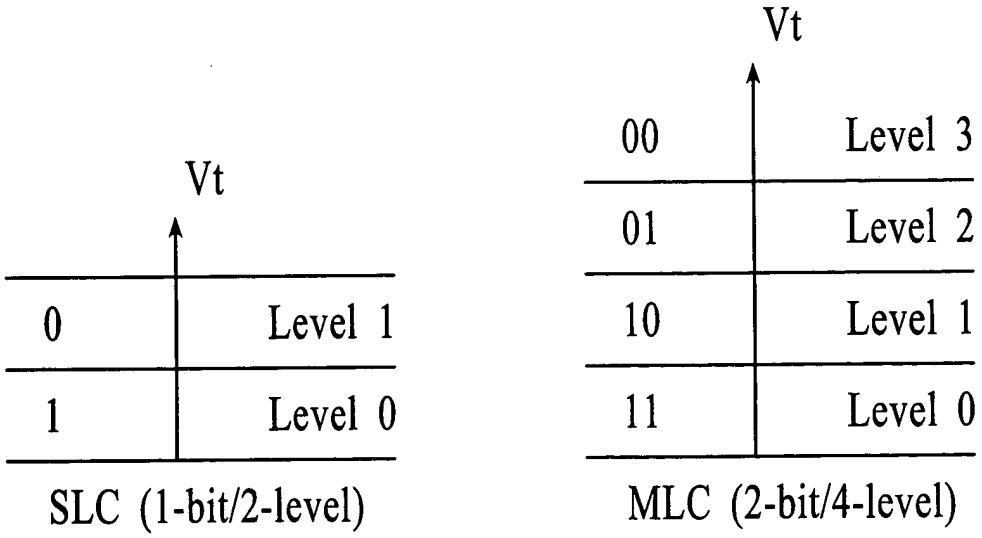
Vt
0
Level 1
1
Level 0
SLC (1-bit/2-level)
Vt
00
Level 3
01
Level 2
10
Level 1
11
Level 0
MLC (2-bit/4-level)

FIG. 5B

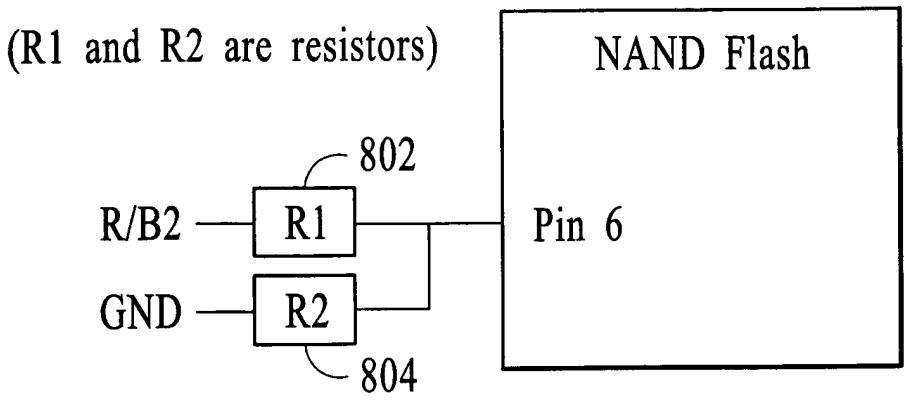

FIG. 6A

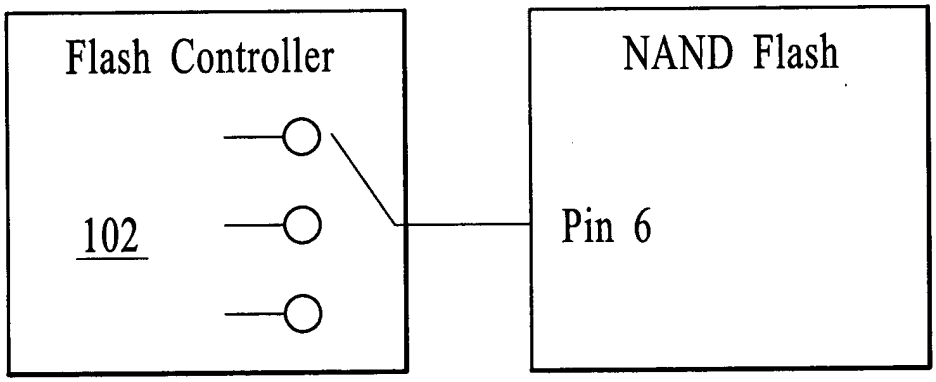

FIG. 6B

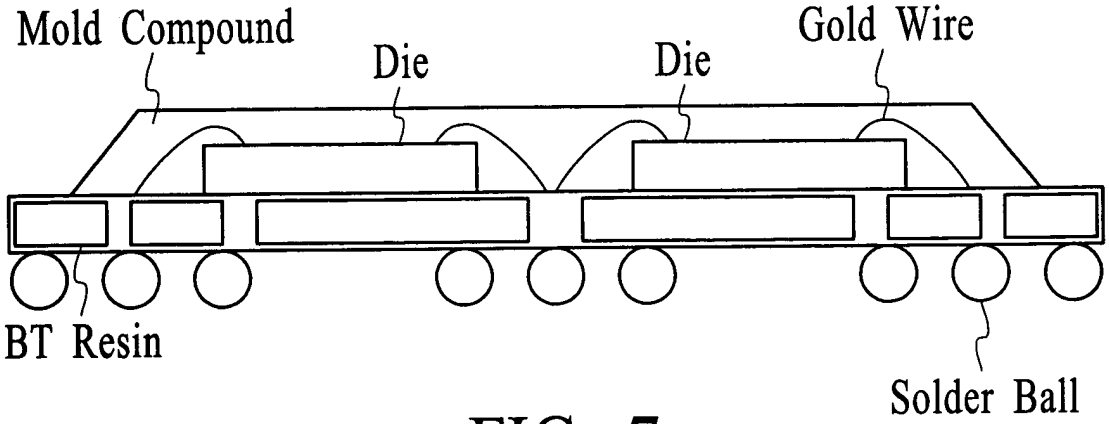

FIG. 7